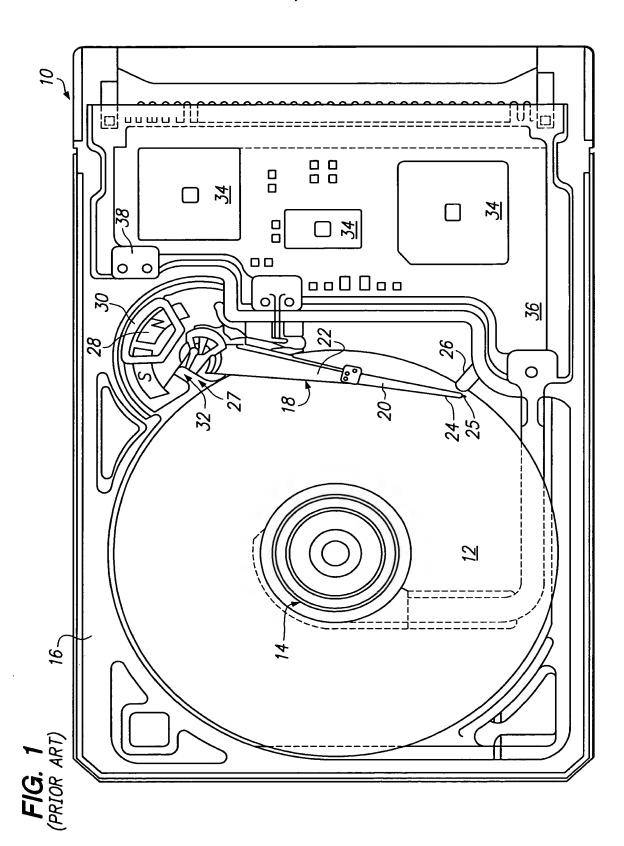
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Serial No.: 09/905,563 Filed: 07/13/2001 Dog :: 3123-367 Inve SUN et al. Attorney: Tejpal S. Hansra Reply to Office Action of October 6, 2003 Reply Mailed: March 2, 2004 Confirmation No. 2954 Group Art Unit: 2651 Telephone: 360-527-1400

Replacement Sheet 1 of 8 sheets





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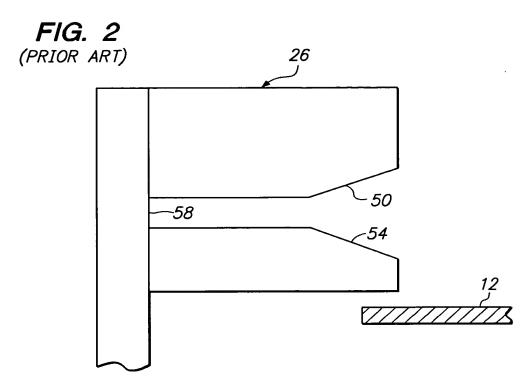
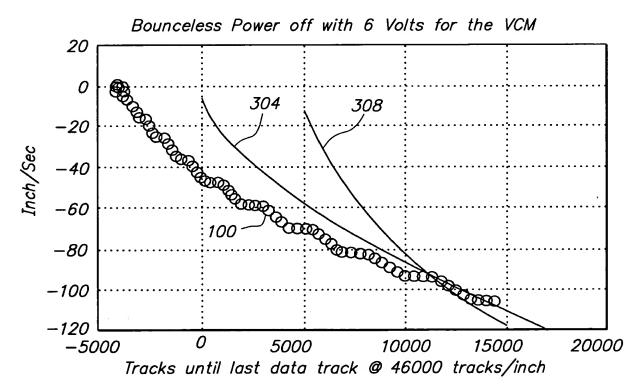


FIG. 5

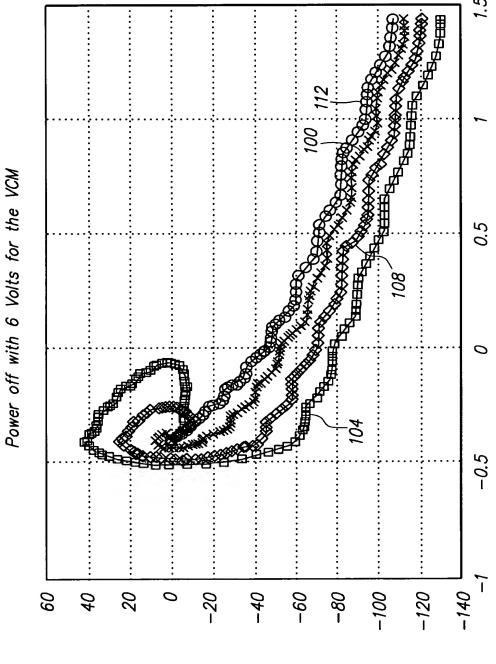




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Tracks until last data track @ 46000 tracks/inch

Replacement Sheet 3 of 8 sheets

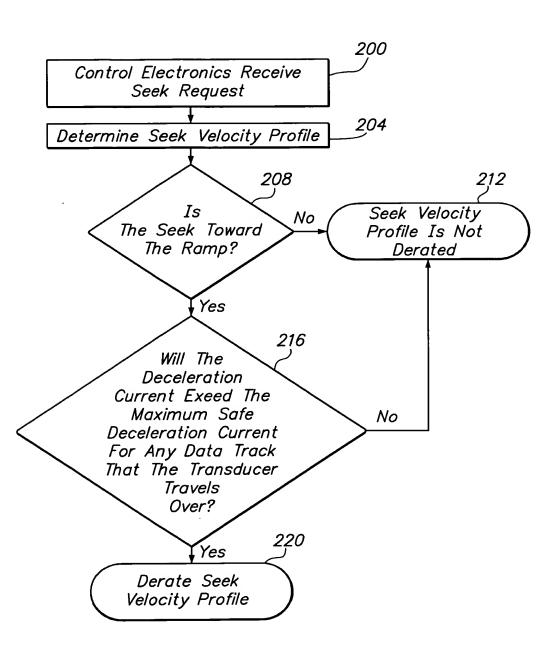




Serial No.: 09/905,563 File 07/13/2001 Do: 3123-367 Inva : SUN et al. Attorney: Tejpal S. Hansra Reply to Office Action of October 6, 2003 Reply Mailed: March 2, 2004 Confirmation No. 2954 Group Art Unit: 2651 Telephone: 360-527-1400

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FIG. 4



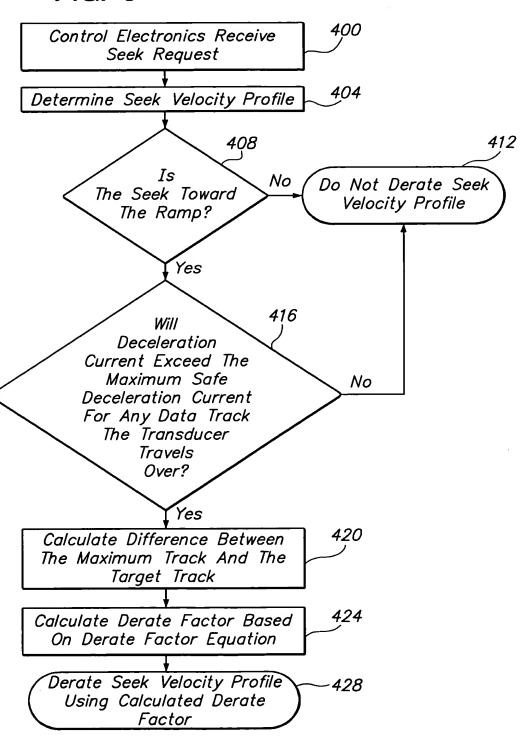


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FIG. 6





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FIG. 7

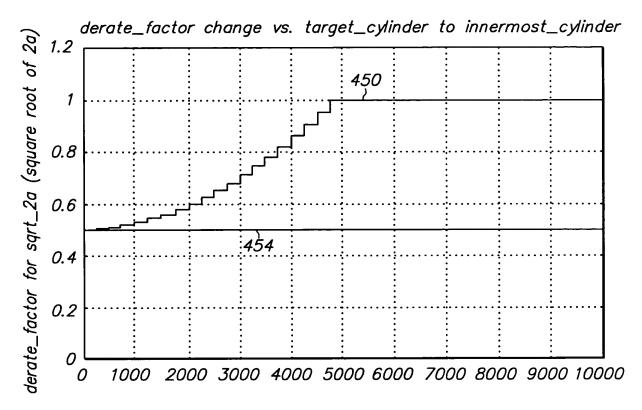
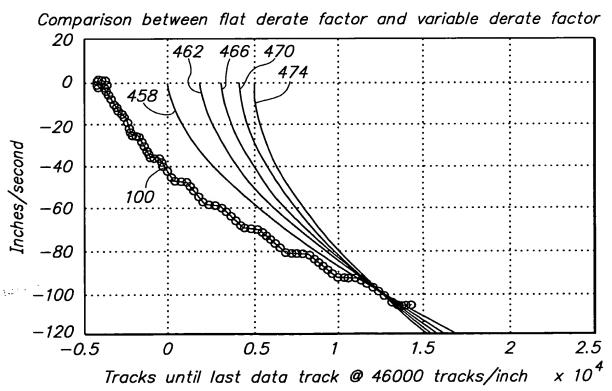


FIG. 8



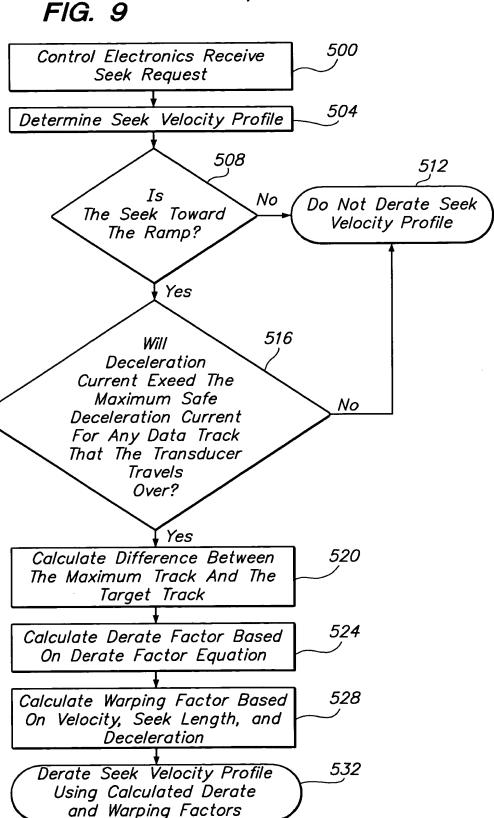


Serial No.: 09/905,563 07/13/2001 No.: 3123-367 : SUN et al. Attorney: Tejpal S. Hansra Reply to Office Action of October 6, 2003 Reply Mailed: March 2, 20 Confirmation No. 2954 Group Art Unit: 2651 Telephone: 360-527-1400

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FIG. 9





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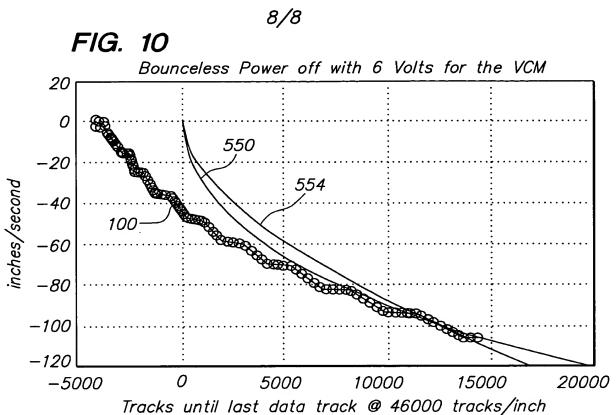


FIG. 11

Seek Time Comparison between with and without Warping

